

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$2 \overline{)52542}$$

(2)

$$9 \overline{)63416}$$

(3)

$$8 \overline{)25953}$$

(4)

$$9 \overline{)28070}$$

(5)

$$5 \overline{)84586}$$

(6)

$$6 \overline{)32308}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 26271 \text{ R}0 \\ 2 \overline{) 52542} \\ \underline{- 4} \qquad (2 \times 2) \\ 12 \\ \underline{- 12} \qquad (6 \times 2) \\ 05 \\ \underline{- 4} \qquad (2 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 7046 \text{ R}2 \\ 9 \overline{) 63416} \\ \underline{- 63} \qquad (7 \times 9) \\ 04 \\ \underline{- 0} \qquad (0 \times 9) \\ 41 \\ \underline{- 36} \qquad (4 \times 9) \\ 56 \\ \underline{- 54} \qquad (6 \times 9) \\ \text{Remainder --> } 2 \end{array} $	<p>(3)</p> $ \begin{array}{r} 3244 \text{ R}1 \\ 8 \overline{) 25953} \\ \underline{- 24} \qquad (3 \times 8) \\ 19 \\ \underline{- 16} \qquad (2 \times 8) \\ 35 \\ \underline{- 32} \qquad (4 \times 8) \\ 33 \\ \underline{- 32} \qquad (4 \times 8) \\ \text{Remainder --> } 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 3118 \text{ R}8 \\ 9 \overline{) 28070} \\ \underline{- 27} \qquad (3 \times 9) \\ 10 \\ \underline{- 9} \qquad (1 \times 9) \\ 17 \\ \underline{- 9} \qquad (1 \times 9) \\ 80 \\ \underline{- 72} \qquad (8 \times 9) \\ \text{Remainder --> } 8 \end{array} $	<p>(5)</p> $ \begin{array}{r} 16917 \text{ R}1 \\ 5 \overline{) 84586} \\ \underline{- 5} \qquad (1 \times 5) \\ 34 \\ \underline{- 30} \qquad (6 \times 5) \\ 45 \\ \underline{- 45} \qquad (9 \times 5) \\ 08 \\ \underline{- 5} \qquad (1 \times 5) \\ 36 \\ \underline{- 35} \qquad (7 \times 5) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 5384 \text{ R}4 \\ 6 \overline{) 32308} \\ \underline{- 30} \qquad (5 \times 6) \\ 23 \\ \underline{- 18} \qquad (3 \times 6) \\ 50 \\ \underline{- 48} \qquad (8 \times 6) \\ 28 \\ \underline{- 24} \qquad (4 \times 6) \\ \text{Remainder --> } 4 \end{array} $